

IN THE CLAIMS:

Please amend the claims as follows. This listing of the claims will replace all prior versions, and listings, of claims in the application:

1-14. (Canceled)

15. (Withdrawn-currently amended) A method for improving the cleansing effect on non-delicate washing which is to be washed in a washing machine comprising a laundry drum ~~which is driven intermittently during the washing and rinsing process in alternating directions of rotation~~, a drive motor intermittently driving the laundry drum during the washing and rinsing process in alternating directions of rotation, and a speed control device for the drive motor of the laundry drum,

the method comprising:

controlling, by the speed control device, the drive motor of the laundry drum based on a circumferential speed in m/s of the laundry drum, the controlling including selecting a first phase during the washing and rinsing process and intermittently generating a first control signal to the drive motor such that the drive motor accelerates the laundry drum in a first direction of rotation to a first rotational speed above an applicational rotational speed, wherein a first circumferential speed of the laundry drum at the first rotational speed is substantially 3.7 m/s, and a second control signal to the drive motor such that the drive motor rotates the laundry drum in a second direction of rotation to a second rotational speed below the applicational rotational speed, wherein a second circumferential speed of the laundry drum at the second rotational speed is less than about 1.0 m/s; and

successively selecting, by the speed control device, a second phase during the washing and rinsing process and intermittently generating a third control signal for the drive motor such that the drive motor accelerates the laundry drum in the first direction of rotation to a third rotational speed for high washing mechanics, wherein a

third circumferential speed of the laundry drum at the third rotational speed for high washing mechanics lies in an interval of about 1.1 to 1.6 m/s, and a fourth control signal for the drive motor such that the drive motor accelerates the laundry drum in the second direction of rotation to a fourth rotational speed for high washing mechanics, wherein a fourth circumferential speed of the laundry drum at the fourth rotational speed for high washing mechanics lies in an interval of about 1.1 to 1.6 m/s.

~~wherein in a first phase the laundry drum is accelerated in one direction of rotation to a first rotational speed significantly above an applicational rotational speed and in the other direction of rotation to a second rotational speed significantly below the applicational rotational speed, within at least one of the washing and rinsing process the laundry drum is accelerated in a second phase of high washing mechanics in both directions of rotation to speeds at which the individual items of laundry are strongly compressed and rub vigorously against one another and that the first and second phases take place successively at least once during at least one of the washing and rinsing process;~~

~~wherein the nominal value of the first speed is selected so that the items of laundry can fall from the drum jacket during a subsequent reduction in the drum speed and that as a result of compression of the items of laundry in the inner area of the drum a sufficiently large free area is created to allow the detached exterior items of laundry to roll into the free area when the laundry drum is accelerated in the opposite direction of rotation to the second rotational speed.~~

16. (Canceled)

17. (Withdrawn-currently amended) The method according to claim 15, wherein a ~~[[the]]~~ nominal value of the second rotational speed has a value at which ~~the~~ falling items of laundry execute a rolling movement in a ~~[[the]]~~ drum area of the laundry drum.

18. (Withdrawn) The method according to claim 17, wherein an acceleration of the laundry drum to the second rotational speed takes place immediately after the drum has come to a standstill.

19. (Canceled)

20. (Withdrawn) The method according to claim 15, wherein the washing machine includes a device for monitoring at least one of foam formation and laundry imbalance, the drive of the laundry drum being interrupted when at least one of a specified limiting value for the foam formation is exceeded and imbalance occurs.

21. (Withdrawn-currently amended) The method according to claim 15, wherein at least one of the rotational speeds, the respective acceleration to the rotational speeds, and the duration of the rotational speeds is ~~can be~~ varied as a function of measured values which specify at least one of the type and quantity of the laundry load.

22. (Withdrawn-currently amended) The method according to claim 15, wherein at least one of the rotational speeds, the respective acceleration to the rotational speeds, and the duration of the rotational speeds is ~~can be~~ varied as a function of the selected washing program.

23. (Withdrawn-currently amended) The method according to claim 15, wherein at least one of the duration of the first and second phases and the sequence of the first and second phases is ~~can be~~ varied as a function of measured values which specify at least one of the type and quantity of the laundry load.

24. (Withdrawn-currently amended) The method according to claim 15, wherein at least one of the duration of the first and second phases and the sequence of the first and second phases is ~~can be~~ varied as a function of the selected washing program.

25. (Currently amended) A washing machine comprising:

a laundry drum;

a drive motor intermittently driving the laundry drum during the washing and rinsing process in alternating directions of rotation, ~~the laundry drum being rotated in a first phase, in which the laundry drum is accelerated in one direction of rotation to a first rotational speed above an applicational rotational speed and in the other direction of rotation to a second rotational speed below the applicational rotational speed, wherein a circumferential speed of the laundry drum at the first rotational speed is approximately 3.7 m/s and at the second rotational speed less than about 1.0 m/s, the laundry drum being rotated in a second phase within at least one of the washing and rinsing process, in which the laundry drum is accelerated in the second phase of high washing mechanics in both directions of rotation wherein the circumferential speed of the laundry drum at a speed for high washing mechanics of the second phase lies in an interval of about 1.1 to 1.6 m/s and that the first and second phases take place successively at least once during at least one of the washing and rinsing process; and~~

a speed control device that controls the drive motor of the laundry drum based on a circumferential speed in m/s of the laundry drum, for the drive motor of the laundry drum generating control signals for the drive motor such that the laundry drum is intermittently driven in alternating directions of rotation at respectively different speeds. the speed control device selecting a first phase, during the washing and rinsing process, and intermittently generating:

a first control signal to the drive motor such that the drive motor accelerates the laundry drum in a first direction of rotation to a first rotational speed above an applicational rotational speed, wherein a first circumferential speed of the laundry drum at the first rotational speed is substantially 3.7 m/s, and

a second control signal to the drive motor such that the drive motor rotates the laundry drum in a second direction of rotation to a second rotational speed below the

applicational rotational speed, wherein a second circumferential speed of the laundry drum at the second rotational speed is less than about 1.0 m/s, and

the speed control device successively selecting a second phase, during the washing and rinsing process, and intermittently generating:

a third control signal for the drive motor such that the drive motor accelerates the laundry drum in the first direction of rotation to a third rotational speed for high washing mechanics, wherein a third circumferential speed of the laundry drum at the third rotational speed for high washing mechanics lies in an interval of about 1.1 to 1.6 m/s, and

a fourth control signal for the drive motor such that the drive motor accelerates the laundry drum in the second direction of rotation to a fourth rotational speed for high washing mechanics, wherein a fourth circumferential speed of the laundry drum at the fourth rotational speed for high washing mechanics lies in an interval of about 1.1 to 1.6 m/s.

26. (Currently amended) The washing machine according to claim 25, further comprising a device for establishing and evaluating at least one of foam formation inside the lye container and the developing laundry imbalance,

wherein the speed control device generates the first, second, third, and fourth control signals for the drive motor based on the at least one foam formation and developing laundry imbalance established and evaluated by the device, and when at least one of a specified foam and imbalance limit is exceeded, the drive motor is switched off by the ~~these~~ control signals.

27. (Currently amended) The washing machine according to claim 25, wherein the speed control device generates the first, second, third, and fourth control signals for the drive motor that vary by which means ~~at least one of a~~ a ~~[[the]]~~ duration of the individual intervals, a ~~[[the]]~~ duration of the phase, and a ~~[[the]]~~ sequence of the first

phase and the second phase phases of at least one of the washing and the rinsing process ~~is varied.~~

28. (Currently amended) The washing machine according to claim 25, further comprising a device for establishing and evaluating at least one of a a ~~[[the]]~~ type and a [[the]] quantity of laundry items,

wherein the speed control device generates the first, second, third, and fourth formation of control signals for the drive motor based on the ~~by the speed control device is dependent on~~ at least one of the type and the quantity of the laundry items to be treated established and evaluated by the device.

29. (Withdrawn-currently amended) A method for washing laundry items in a washing machine including a laundry drum mounted for rotation and a drive motor intermittently driving the laundry drum during the washing and rinsing process in alternating directions of rotation, and a speed control device for the drive motor of the laundry drum,

the method comprising ~~the acts of:~~

controlling, by the speed control device, the drive motor of the laundry drum based on a circumferential speed in m/s of the laundry drum, the controlling including selecting a first phase during the washing and rinsing process and intermittently generating a first control signal to the drive motor such that the drive motor accelerates the laundry drum in a first direction of rotation to a first rotational speed above an applicational rotational speed, wherein a first circumferential speed of the laundry drum at the first rotational speed is substantially 3.7 m/s, and a second control signal to the drive motor such that the drive motor rotates the laundry drum in a second direction of rotation to a second rotational speed below the applicational rotational speed, wherein a second circumferential speed of the laundry drum at the second rotational speed is less than about 1.0 m/s; and rotating the laundry drum in a first phase, in which the laundry drum is accelerated in one direction of rotation to a first rotational speed being above an

~~applicational rotational speed and in the other direction of rotation to a second rotational speed being below the applicational rotational speed;~~

successively selecting, by the speed control device, a second phase during the washing and rinsing process and intermittently generating a third control signal for the drive motor such that the drive motor accelerates the laundry drum in the first direction of rotation to a third rotational speed for high washing mechanics, wherein a third circumferential speed of the laundry drum at the third rotational speed for high washing mechanics lies in an interval of about 1.1 to 1.6 m/s, and a fourth control signal for the drive motor such that the drive motor accelerates the laundry drum in the second direction of rotation to a fourth rotational speed for high washing mechanics, wherein a fourth circumferential speed of the laundry drum at the fourth rotational speed for high washing mechanics lies in an interval of about 1.1 to 1.6 m/s, such that ~~rotating the laundry drum in a second phase, in which the laundry drum is accelerated in both directions of rotation to a third rotational speed at which the individual items of laundry are compressed and rub vigorously against one another, [[;]]~~

wherein the first speed is selected ~~selecting a nominal value of the first speed such that the laundry items can fall from a the drum jacket during a subsequent reduction in the drum speed, ; forming a sufficiently large free area is formed in the laundry drum as a result of compression of the laundry items, and ; and permitting the detached exterior laundry items are permitted to roll into the free area when the laundry drum is accelerated in the opposite direction of rotation to the second rotational speed.~~

30. (Canceled)

31. (Withdrawn-currently amended) The method according to claim 29, wherein ~~the act of~~ rotating the laundry drum in the ~~the~~ [[a]] first phase includes accelerating the laundry drum to the second rotational speed immediately after the drum has come to a standstill.

32. (Canceled)

33. (Withdrawn-currently amended) The method according to claim 29, wherein the washing machine includes a monitoring device for monitoring at least one of laundry imbalance and foam formation, the method further comprising: ~~the act of~~ interrupting the rotation of the laundry drum in response to the monitoring device detecting at least one of laundry imbalance and a specified limiting value of foam formation being exceeded.

34. (Withdrawn-currently amended) The method according to claim 29, wherein at least one of the first rotational speed and the second rotational speed ~~rotational speeds~~, the respective acceleration to the first rotational speed and the second rotational speed, ~~a rotational speeds~~, the duration of the first rotational speed and the second rotational speed, ~~a rotational speeds~~, the duration of the first phase and the second phase ~~and second phases~~, and ~~a~~ the sequence of the first phase and the second phase ~~and second phases~~ is variable as a function of measured values which specify at least one of ~~a~~ the type and quantity of ~~a~~ the laundry load.

35-36. (Canceled)

37. (Currently amended) The washing machine according to claim 25, further comprising:

a sensor that determines ~~a~~ the laundry weight in the laundry drum and sends a signal to the speed control device representing the determined laundry weight,

wherein the speed control device receives the signal from the sensor and varies the first, second, third, and fourth control signals to the drive motor based on the received signal from the sensor.

38. (Currently amended) The washing machine according to claim 25, further comprising:

a sensor that monitors an amount of foam formation inside the laundry drum and sends a signal to the speed control device representing the amount of foam formation, and

wherein the speed control device receives the signal from the sensor and varies the first, second, third, and fourth control signals to the drive motor based on the received signal from the sensor.

39. (Previously presented) The washing machine according to claim 38, wherein the speed control device receives the signal from the sensor and evaluates whether the amount of foam formation exceeds a specified amount of foam formation, and

wherein the speed control device switches off the drive motor when the amount of foam formation exceeds the specified amount of foam formation.

40. (Currently amended) The washing machine according to claim 25, further comprising:

a sensor that determines a variable value including one of a laundry load quantity, a type of laundry, a wash programme, a laundry imbalance, and a foam formation in the laundry drum, and sends a signal to the speed control device representing the variable value, and

wherein the speed control device receives the signal from the sensor and varies the first, second, third, and fourth control signals to the drive motor based on the received signal from the sensor.

41. (Currently amended) A washing machine comprising:

a laundry drum;

a drive motor intermittently driving the laundry drum during the washing and rinsing process in alternating directions of rotation, the laundry drum being rotated in a

first phase, in which the laundry drum is accelerated in one direction of rotation to a first rotational speed above an applicational rotational speed and in the other direction of rotation to a second rotational speed below the applicational rotational speed, wherein a circumferential speed of the laundry drum at the first rotational speed is approximately 3.7 m/s and at the second rotational speed less than about 1.0 m/s, the laundry drum being rotated in a second phase within at least one of the washing and rinsing process, in which the laundry drum is accelerated in the second phase of high washing mechanics in both directions of rotation wherein the circumferential speed of the laundry drum at a speed for high washing mechanics of the second phase lies in an interval of about 1.1 to 1.6 m/s and that the first and second phases take place successively at least once during at least one of the washing and rinsing process; and

~~speed control~~ means for controlling the drive motor of the laundry drum based on a circumferential speed in m/s of the laundry drum, and generating and sending control signals to the drive motor such that the drive motor intermittently drives the laundry drum in the first phase in which the laundry drum is accelerated in the one direction of rotation to the first rotational speed of approximately 3.7 m/s and in the other direction of rotation to the second rotational speed of less than about 1.0 m/s.

42. (Currently amended) The washing machine according to claim 41, wherein the ~~speed control~~ means generates and sends control signals to the drive motor such that the drive motor intermittently drives the laundry drum in the second phase in which the laundry drum is accelerated in both directions of rotation at the speed for high washing mechanics, which lies in the interval of about 1.1 to 1.6 m/s.